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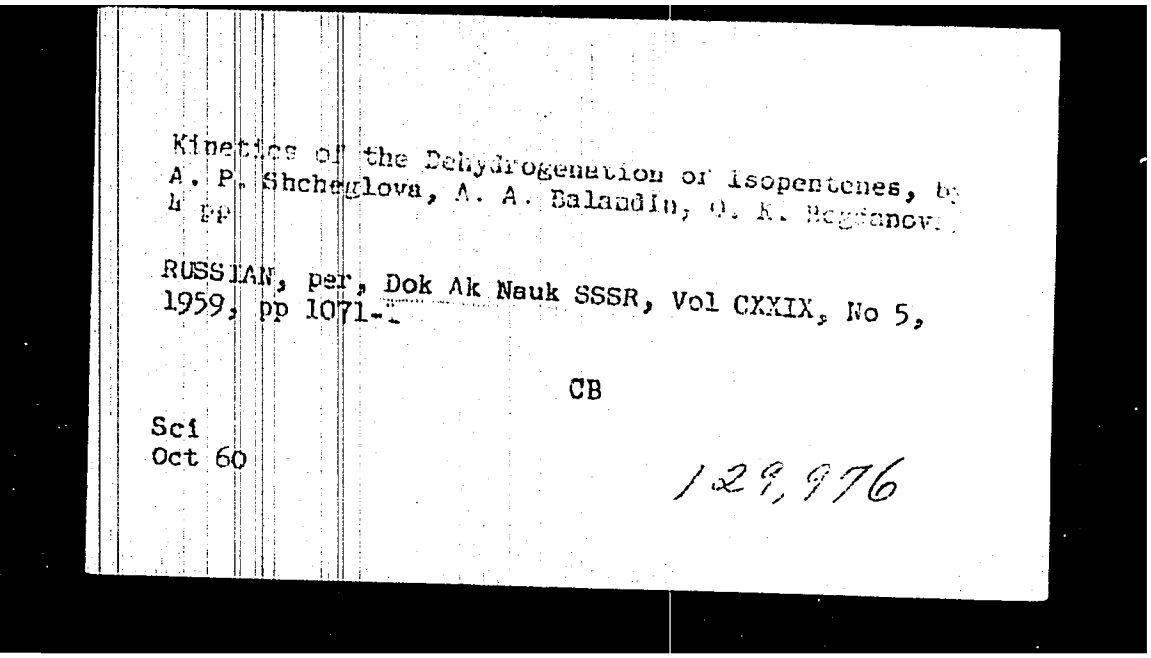

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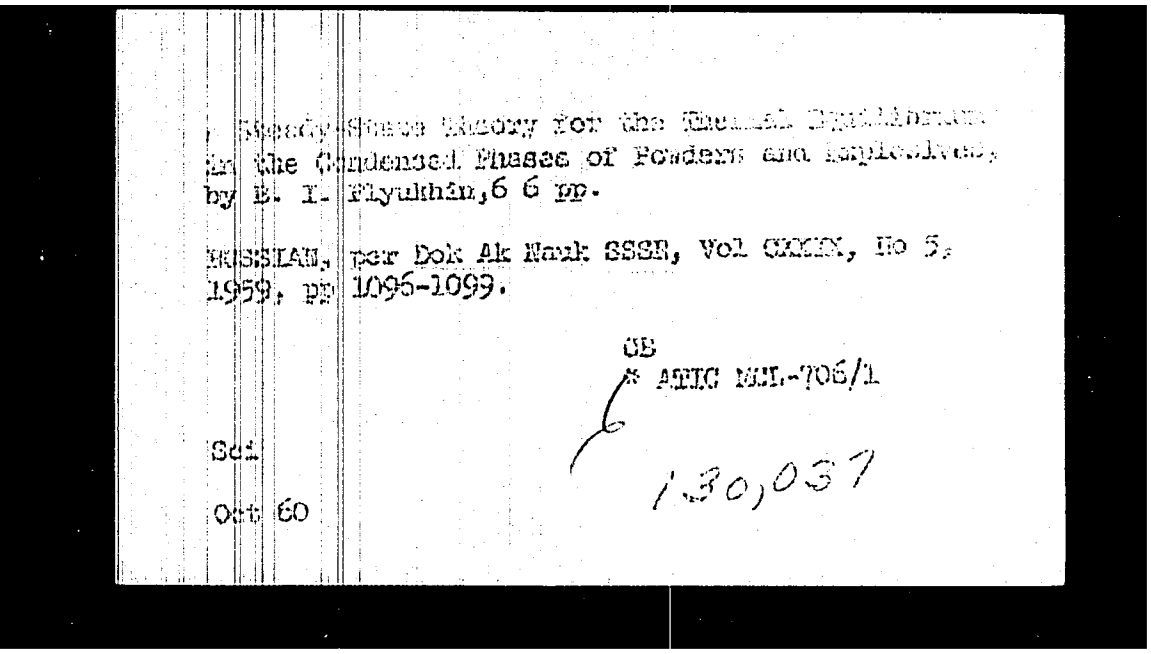

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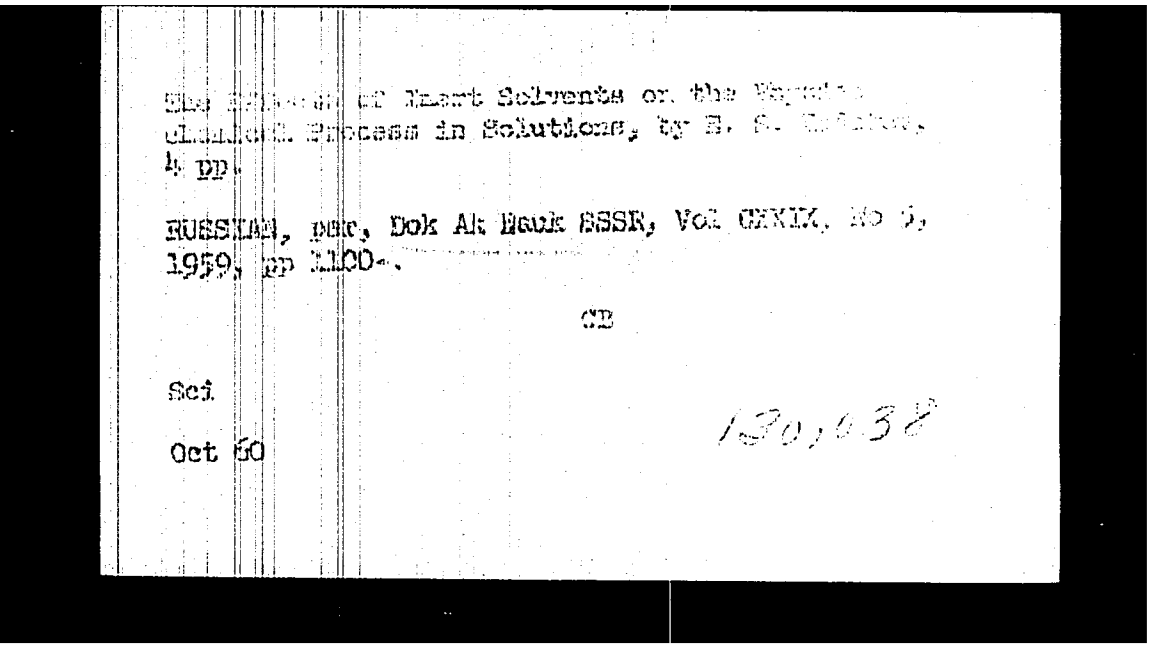

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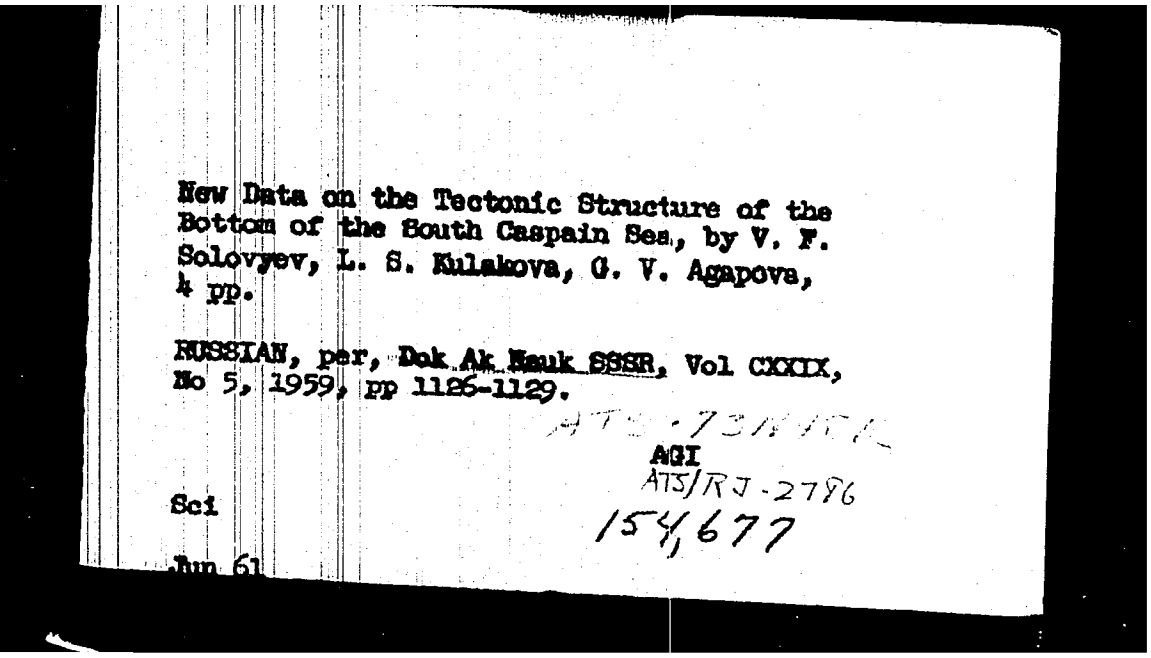

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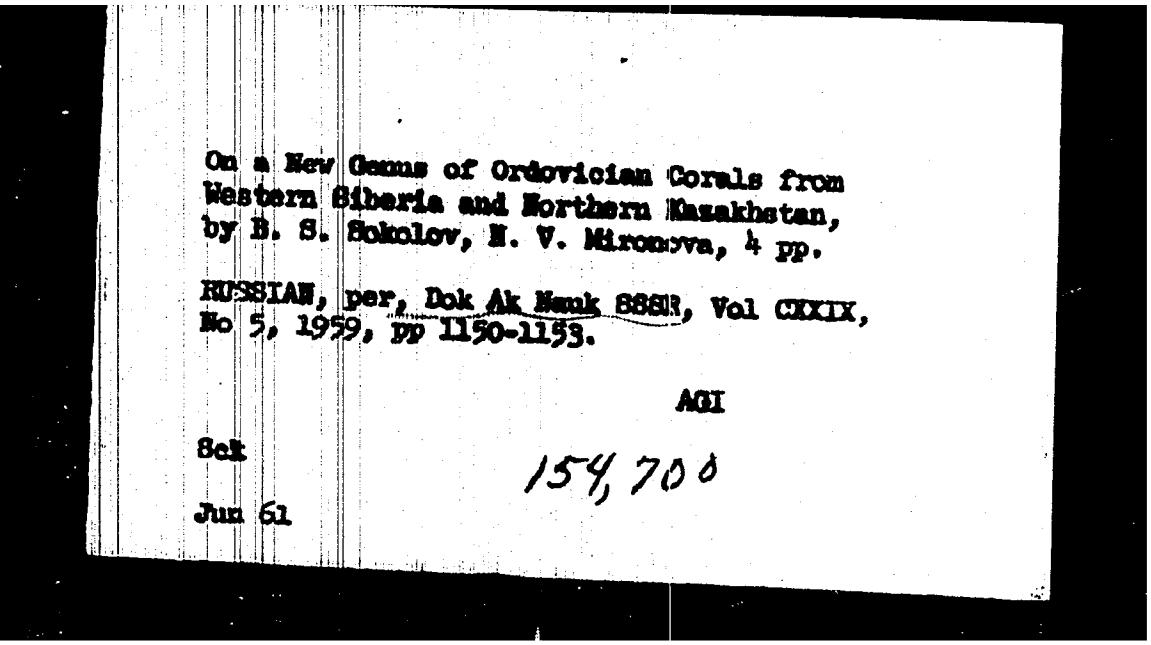

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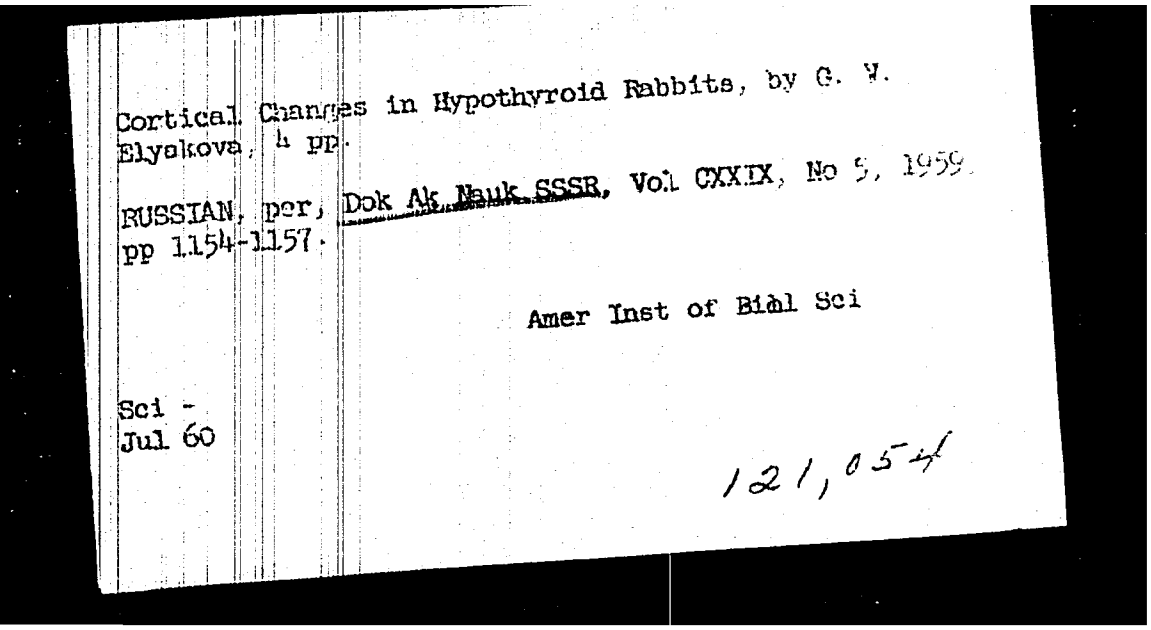

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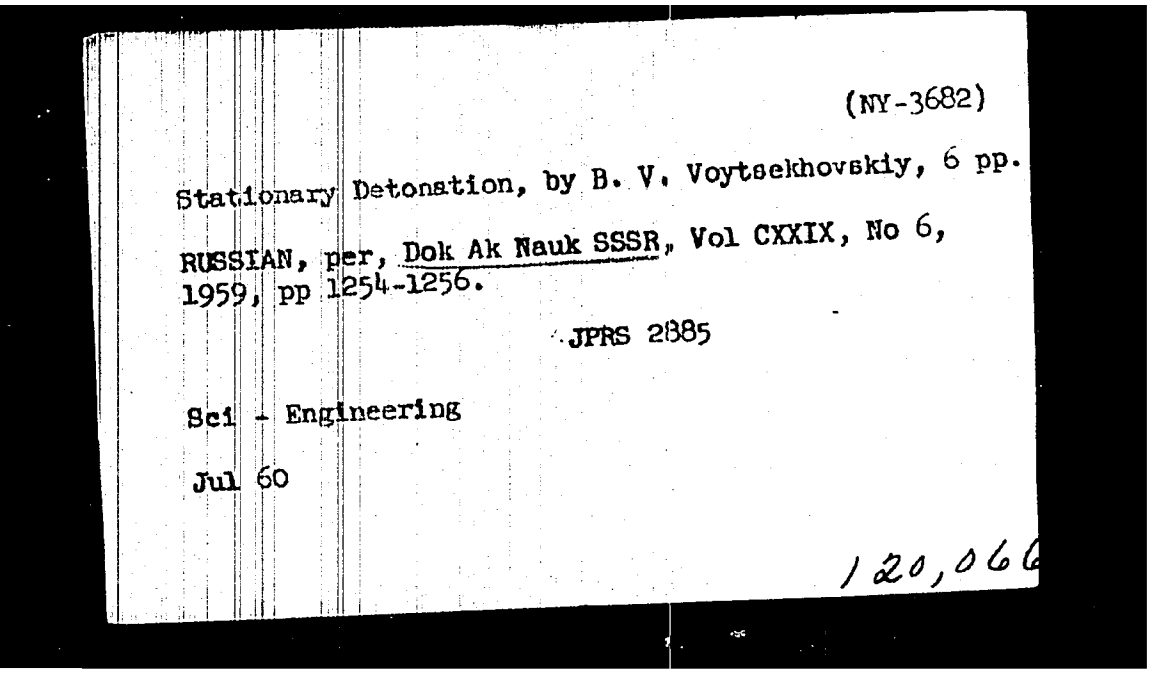

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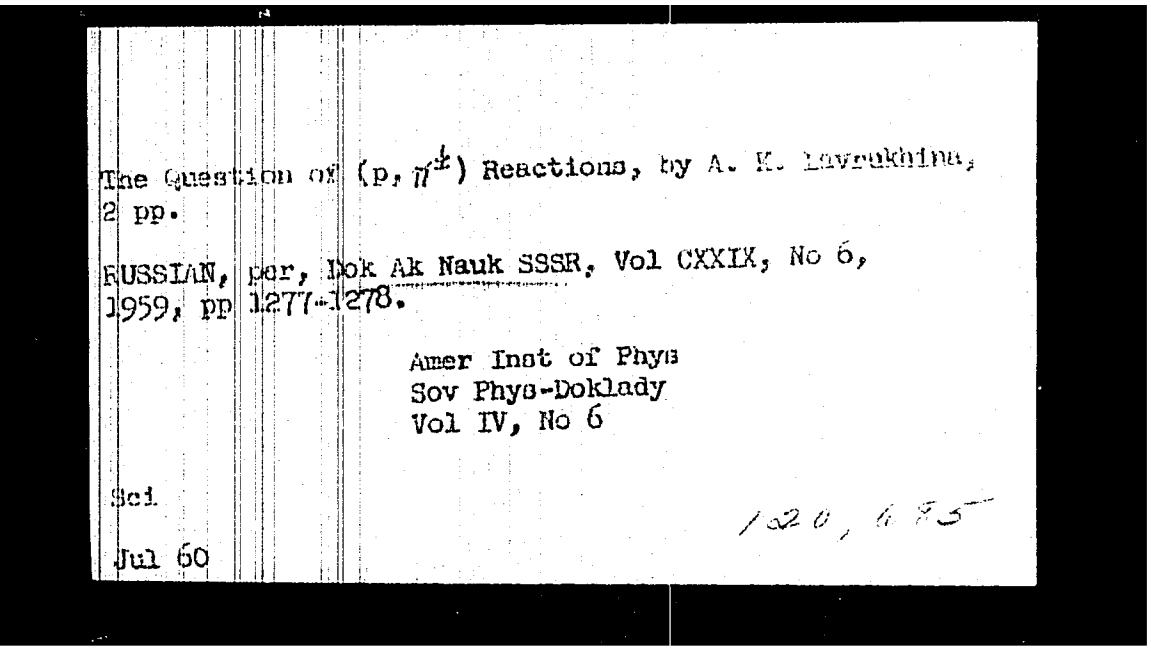

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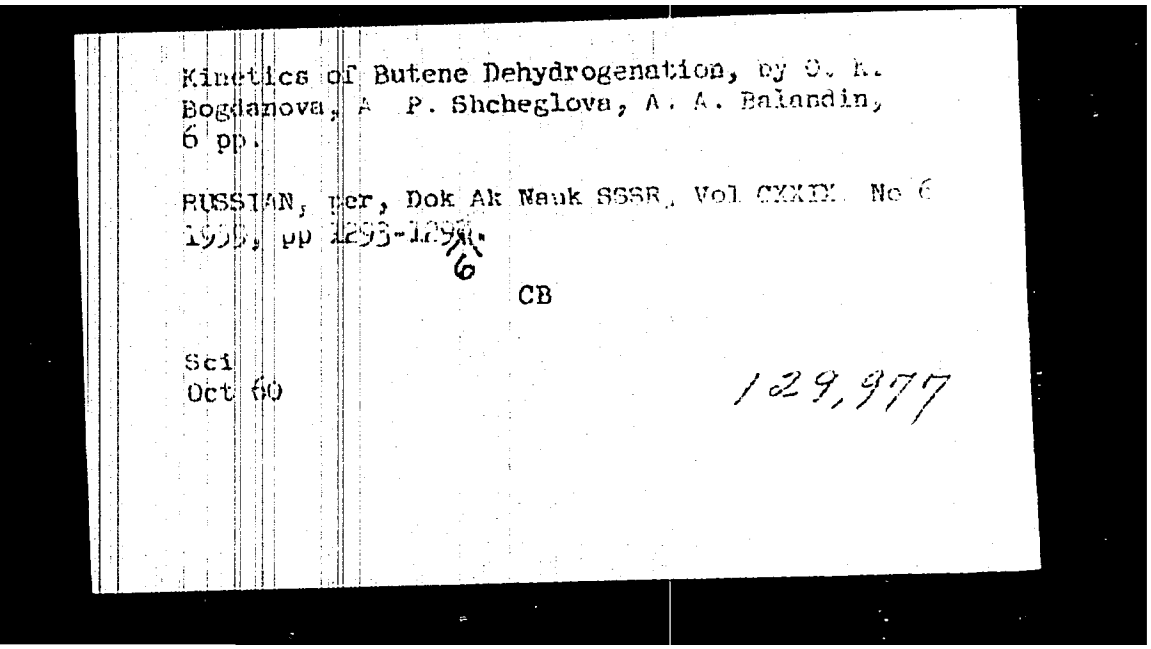

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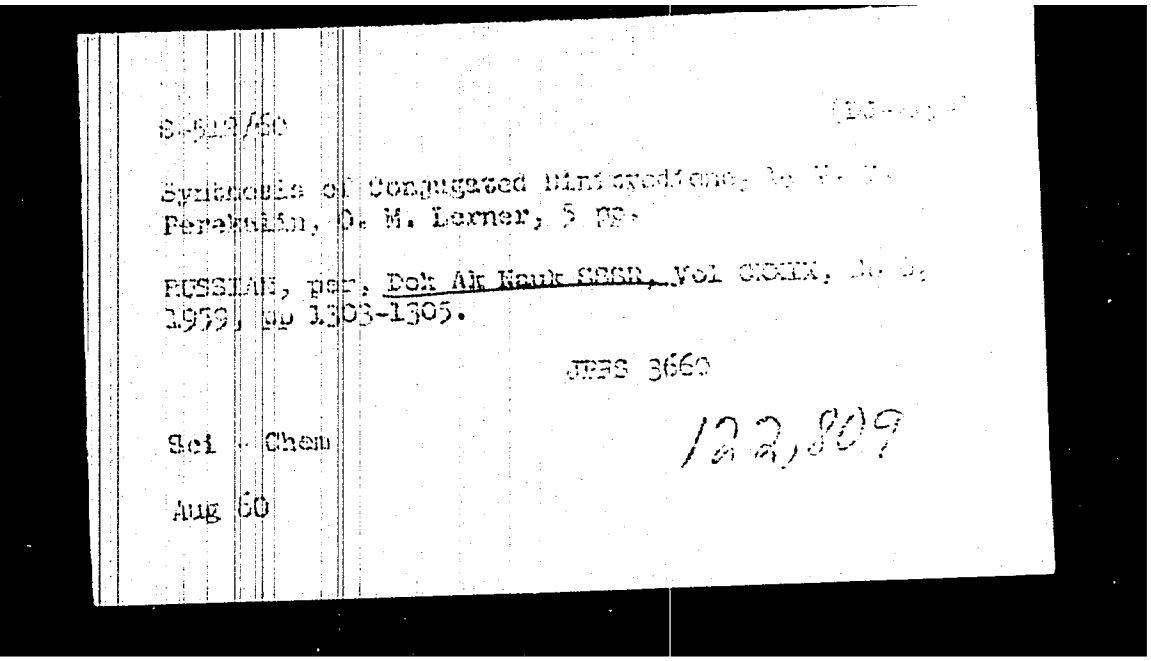

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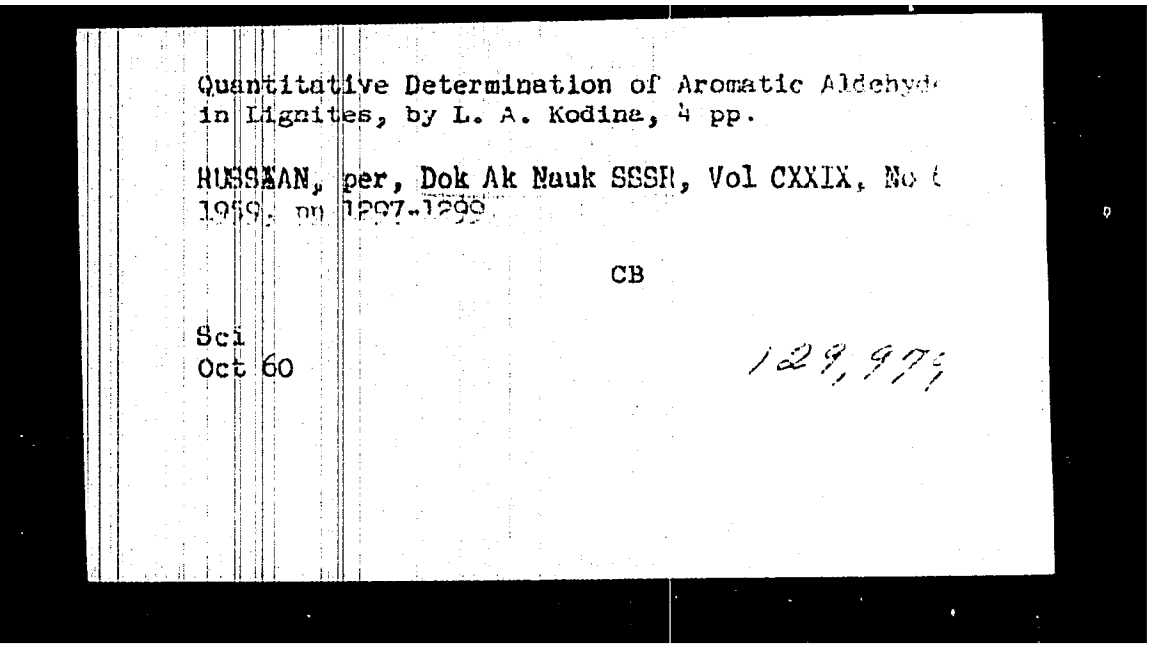

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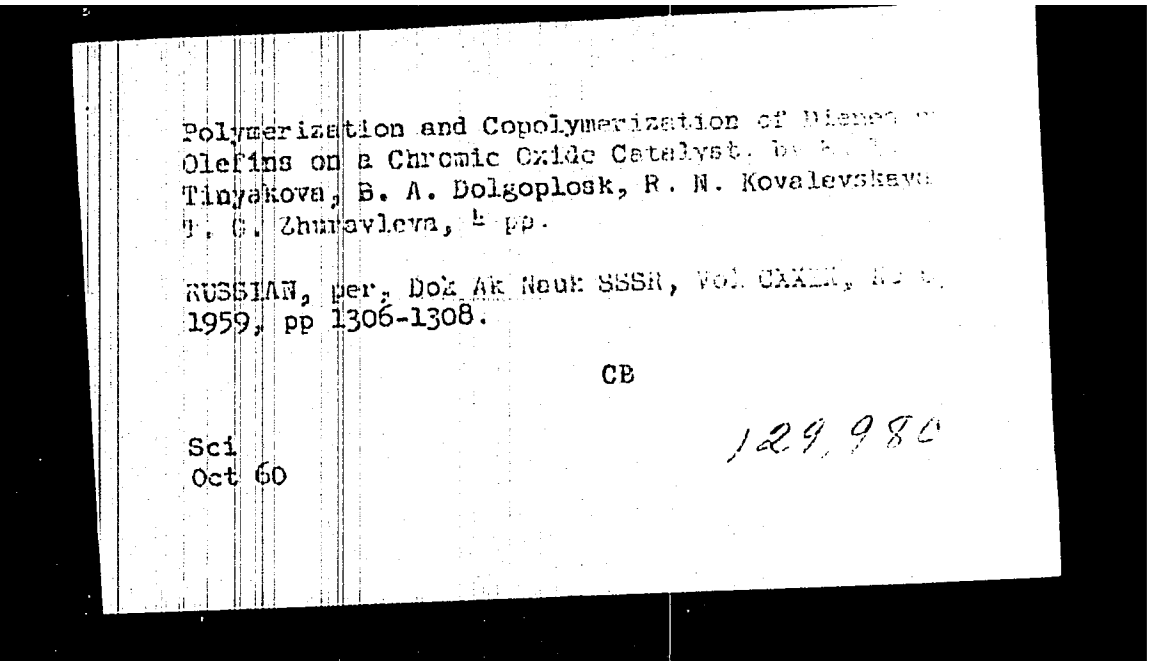

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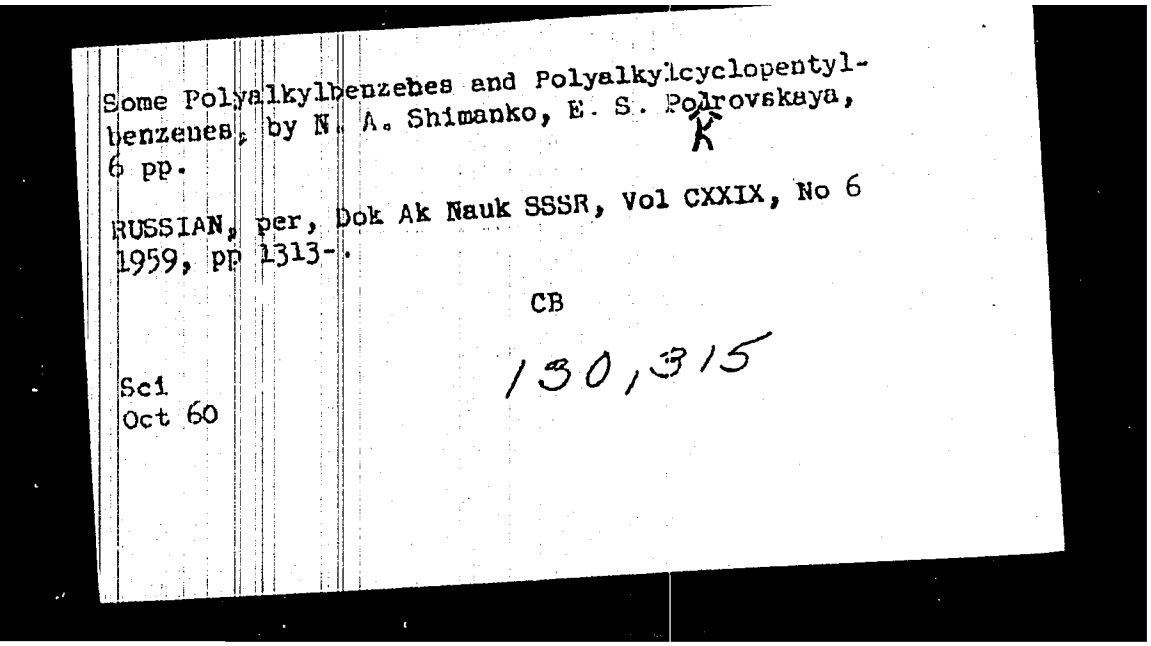

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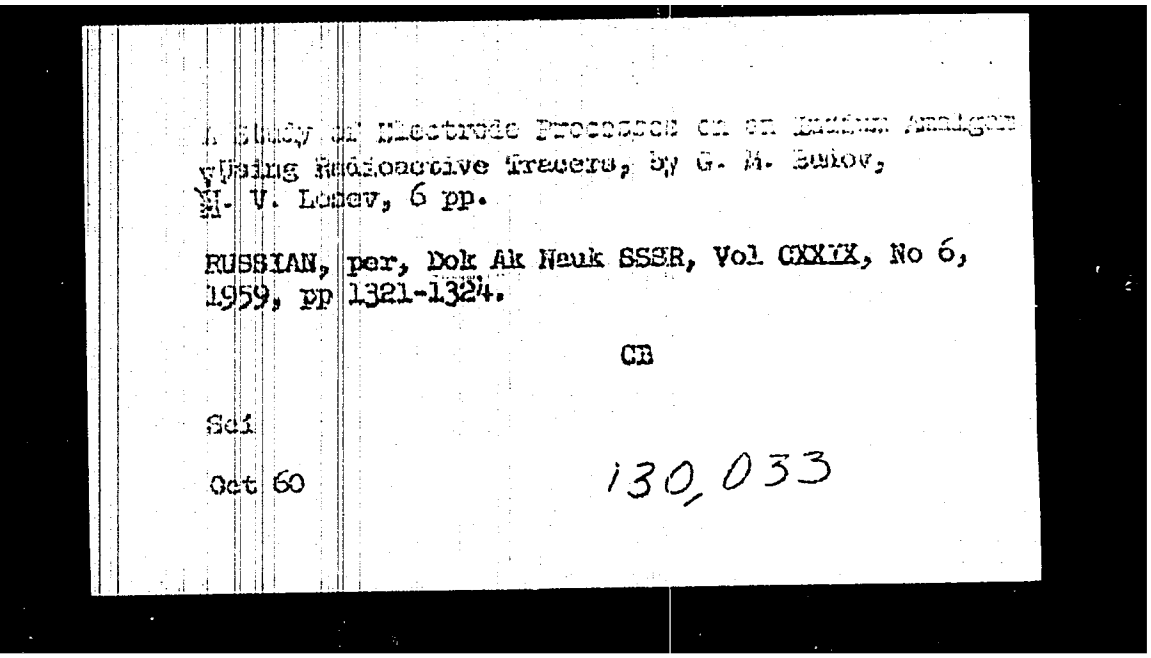

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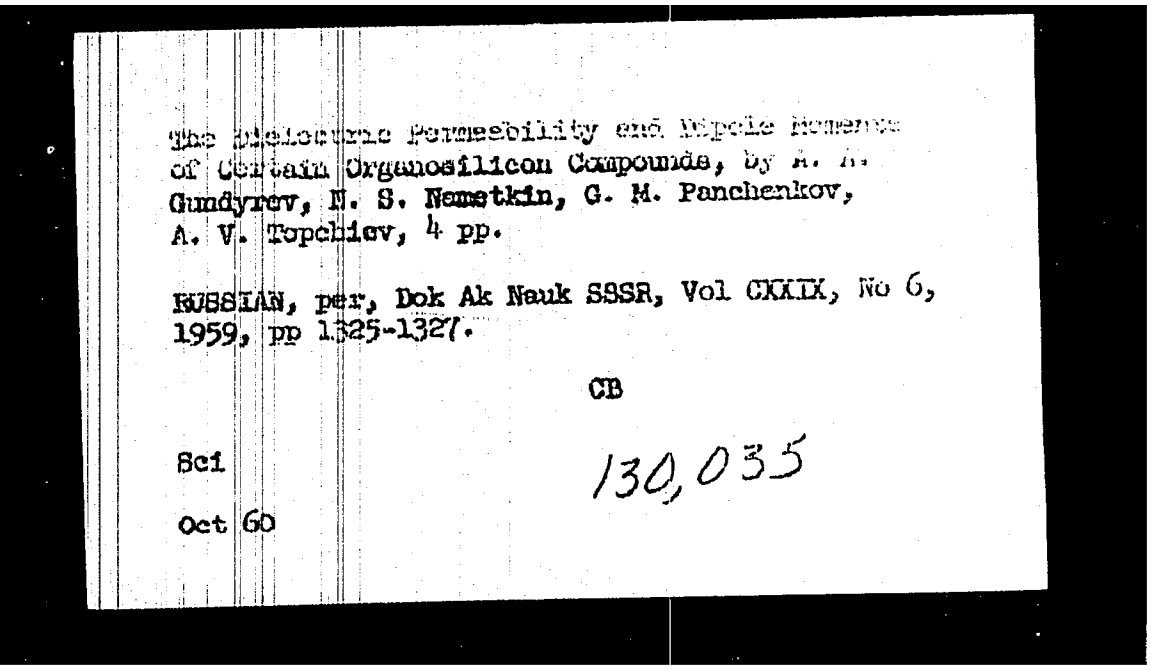

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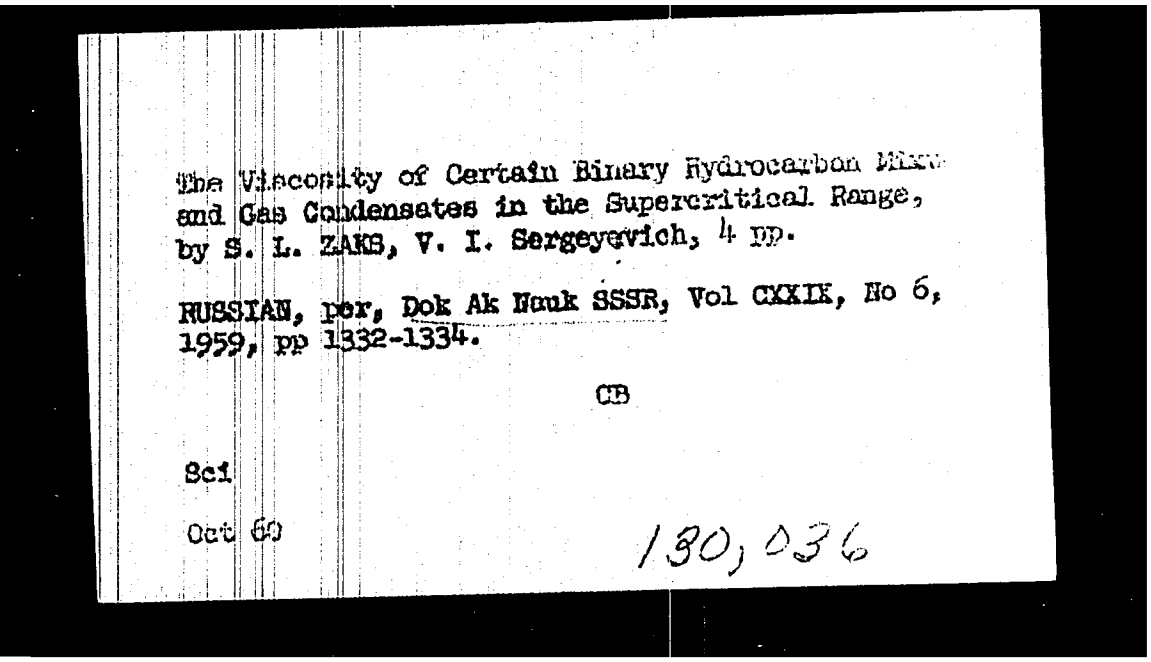

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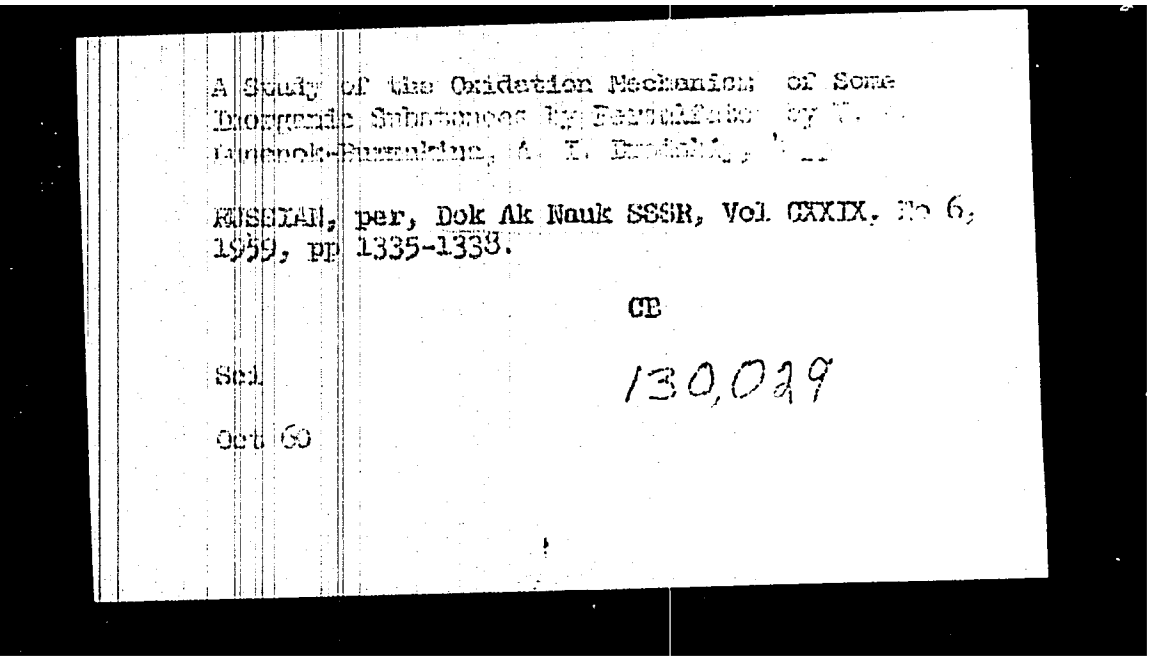

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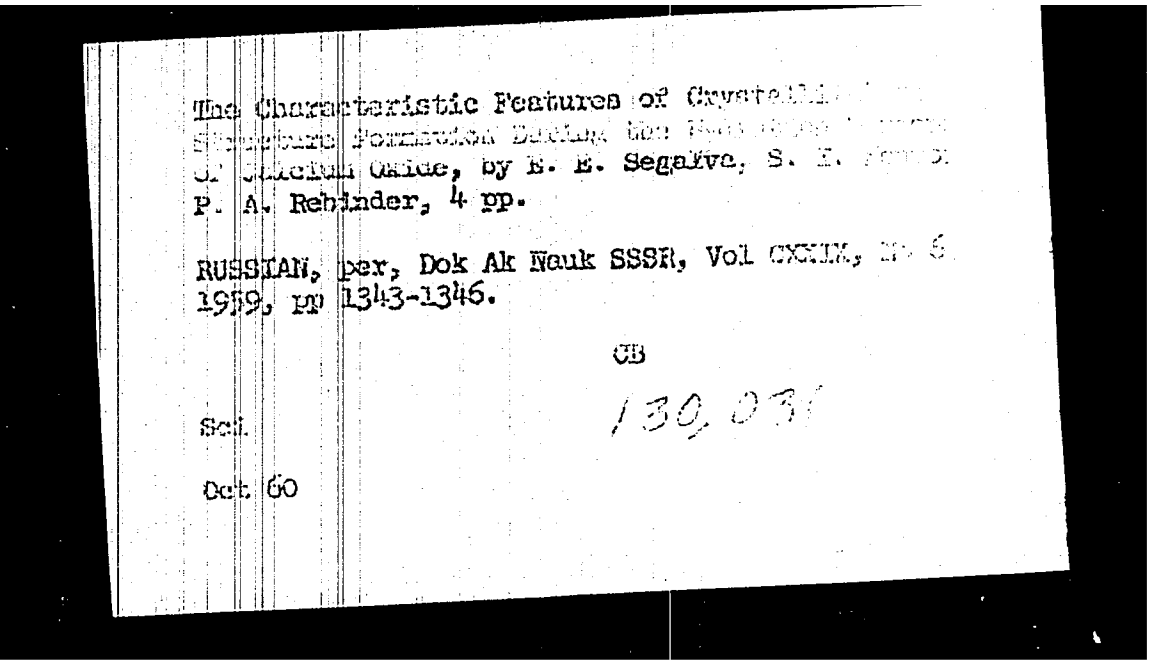

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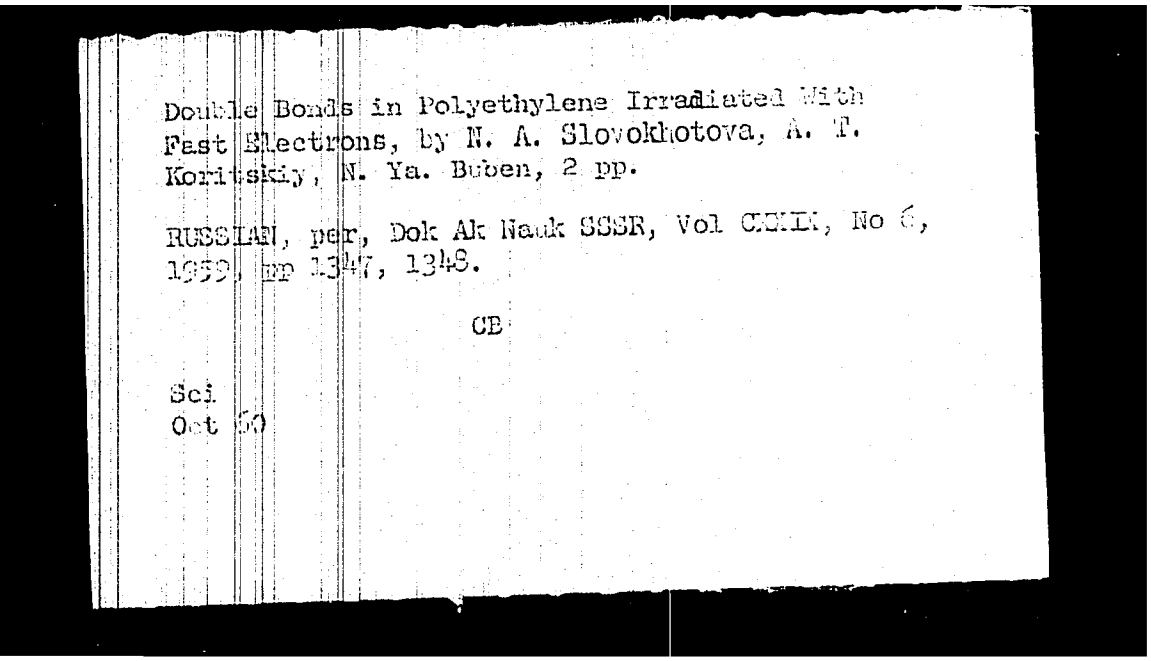

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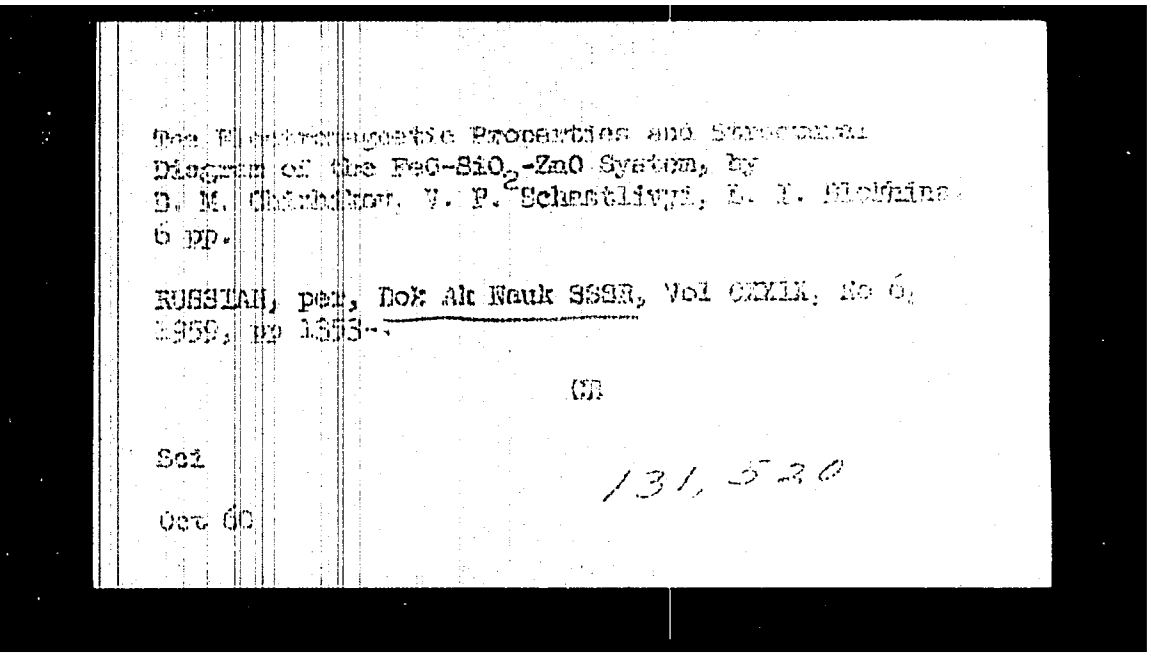

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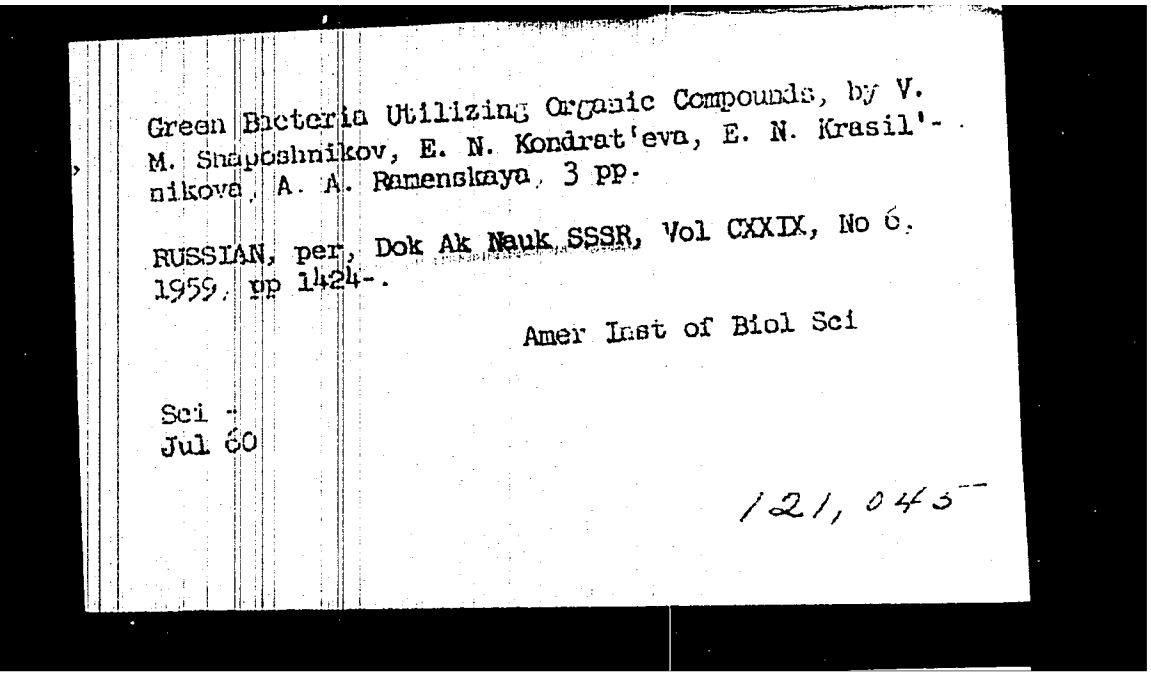

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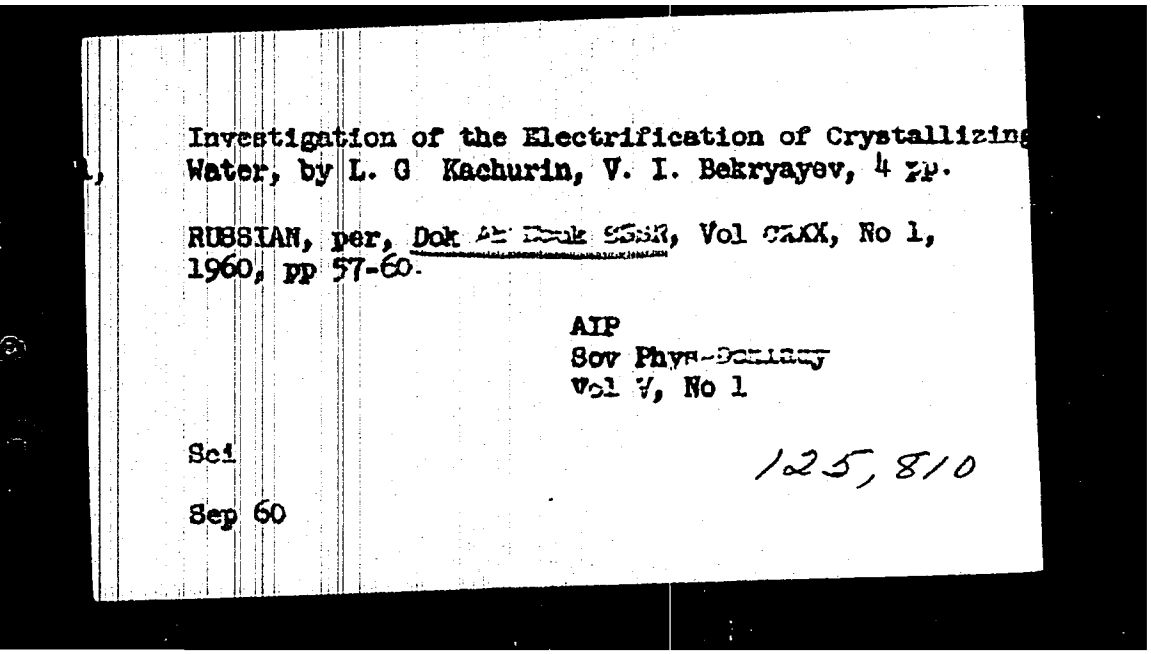

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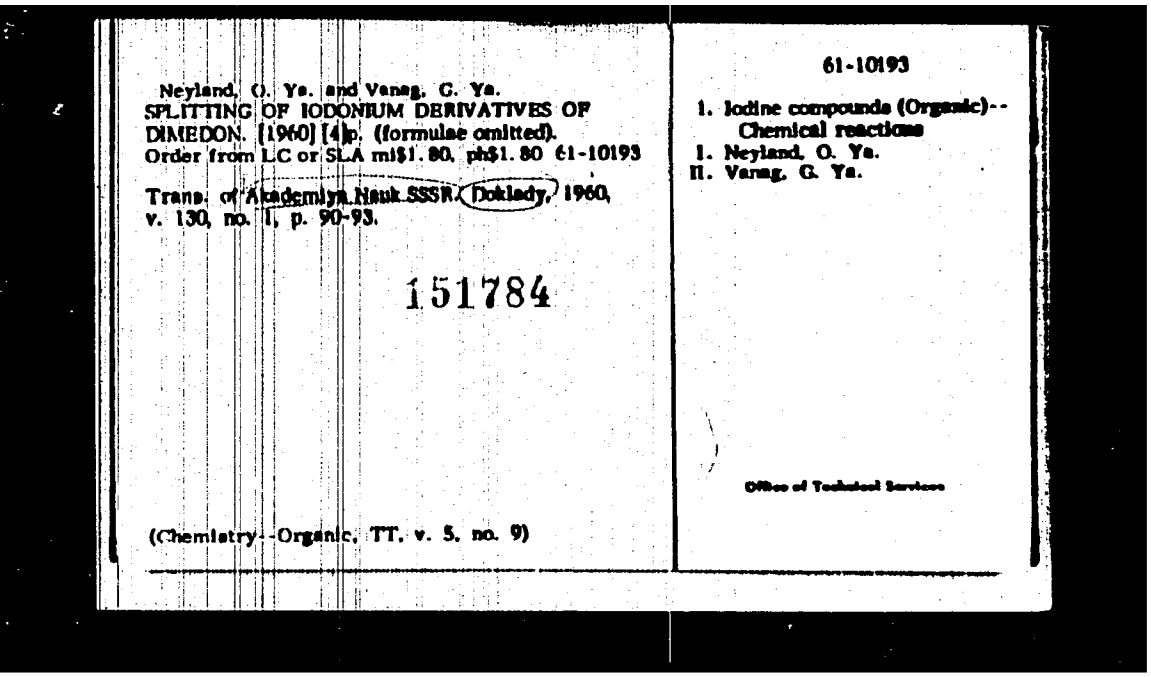

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Experiments to determine the mechanism for the photoreaction of CCl_4 with CH_3OH on exposure to UV light showed that C_2Cl_6 was produced only by dimerization of CCl_3 radicals formed by photolysis of CCl_4. CCl_3 radicals did not remove H from CH_3OH to form $CHCl_3$. An exchange of C^{14} atoms in the photoreaction between labeled $C^{14}HCl_3$ and CCl_4 or CCl_3 radicals did not occur. The incapability of CCl_3 radicals to remove H from CH_3OH or from $C^{14}HCl_3$ and the absence of C^{14} exchange may be due to the lower energy of stabilization of these compounds.

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2. Methanol--Photochemical reactions
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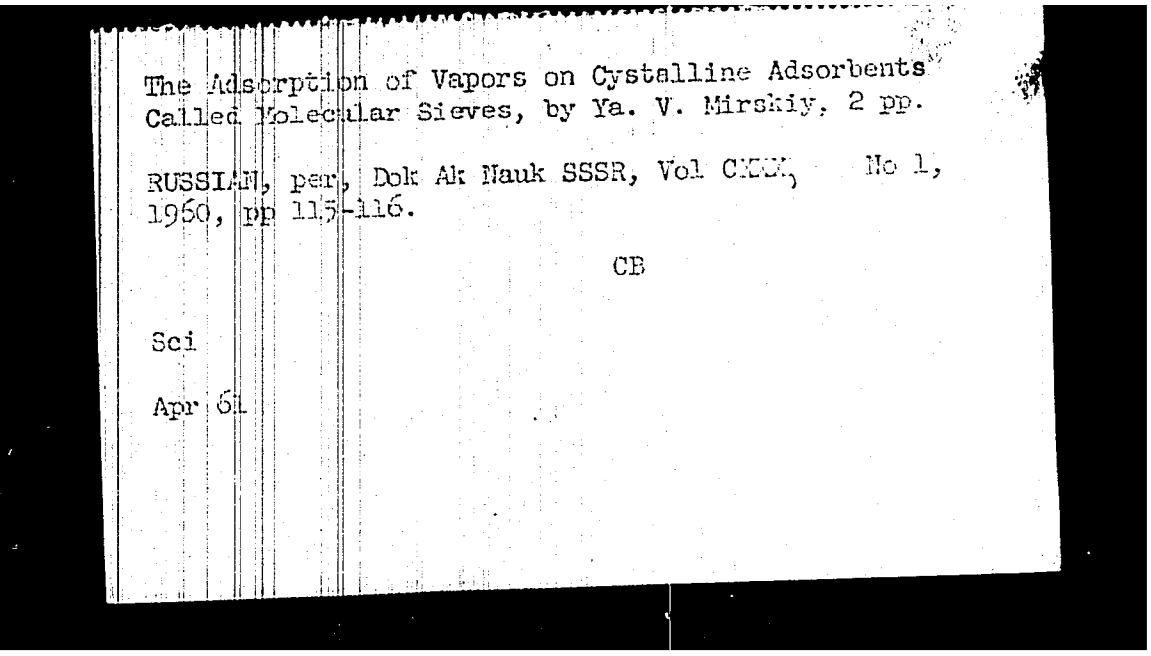

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